

**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Art Unit: OIPE

Chen et al.

Examiner: none

Serial No. 10/774,853

Docket No. **SIL-001**

Filed: 2/7/2004

For: **METHOD OF OPTIMIZING IC LOGIC PERFORMANCE BY STATIC TIMING  
BASED PARASITIC BUDGETING**

**Mail Stop Petition**

Commissioner for Patents

P.O. Box 1450

Alexandria, Va. 22313-1450

Date 7/11/2005

**Petition To Revive Unintentionally Abandoned Patent Application**

Dear Sir:

In response to a Notice of Abandonment mailed 5/12/2005 to the undersigned's old address, please find enclosed a Notice of Change of Address in accordance with 37 CFR 1.32(b)(1) and evidence supporting this Petition to Revive.

The undersigned hereby petitions under 37 CFR 1.137(b) to revive the above identified patent application as unintentionally abandoned. Please find enclosed, a preliminary amendment that clarifies the confusion regarding whether there is a missing figure (there is not) and a credit card authorization for payment of the petition fee required under 37 CFR 1.17(m).

The entire delay from the time the reply to the Notice to File Corrected Application Papers mailed 8/26/2004 till the filing of a grantable petition to revive was unintentional, as shown by facts recited in the Declaration of Ronald C. Fish attached

**PATENT**

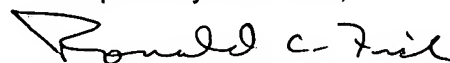
hereto.

Also enclosed herewith is a preliminary amendment amending the specification to remove reference to Fig. 2.

Also enclosed herewith is the terminal disclaimer required under 37 CFR 1.137(d), the required Terminal Disclaimer fee of \$65 under 37 C.F.R. §1.20(d) and the petition fee of \$750 required under 37 C.F.R. §1.17(m) both fees being paid via credit card authorization forms.

Respectfully submitted,

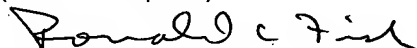
Dated: July 11, 2005



Ronald Craig Fish  
Reg. No. 28,843  
Tel 408 866 4777  
FAX 408 866 4785

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Va. 22313-1450.

on 7/11/2005  
(Date of Deposit)



Signature of Depositer



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Art Unit: OIPE

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Examiner: none

Serial No. 10/774,853

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For: **METHOD OF OPTIMIZING IC LOGIC PERFORMANCE BY STATIC TIMING  
BASED PARASITIC BUDGETING**

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**Mail Stop Petition**

Commissioner for Patents

P.O. Box 1450

Date 7/11/2005

Alexandria, Va. 22313-1450

**Declaration of Ronald C. Fish in Support of Petition To Revive**

**Unintentionally Abandoned Patent Application**

Dear Sir:

Being hereby warned that willful false statements and the like are punishable by fine, imprisonment or both (18 USC1001) and may jeopardize the validity of any patent which issues on the above identified patent application, the undersigned hereby declares as follows. All statements made herein of the declarant's own knowledge are true, and all statements made on information and belief are believed to be true.

I, Ronald C. Fish, was appointed attorney of record in the above identified patent application by the applicants in a Declaration For Patent Application signed by the inventors on 2/6/2004 (Exhibit A). The Declaration for Patent Application lists the undersigned's address as P.O. Box 2258, Morgan Hill, California. The undersigned has since moved, and the new address to be associated with the undersigned customer number

## PATENT

26717 was filed with a Private Pair Excel Spreadsheet listing all cases which were to be associated with the new address and customer number 26717 was filed on August 29, 2004 (Exhibit B). The above identified patent application was one of the patent applications listed on the Excel Spreadsheet.

The Declaration for Patent Application was never properly processed by the Patent Office such that the undersigned was listed as attorney of record. The undersigned knows this because in a telephone conference with the Electronic Business Center on July 11, 2005, the EBC employee looked up the USPTO record for the above identified patent application and found that no attorney was listed as attorney of record. Because the undersigned was not listed as attorney of record, the change of address for the above identified case was rejected, and all correspondence from the PTO has been sent to the old Post Office Box address of the undersigned in Morgan Hill. That P.O. Box gets checked infrequently, and that caused some of the delay in responding to the Notice Of Abandonment.

The Notice of Abandonment mailed 5/12/2005 arose from the following circumstances. On May 10, 2004, a Notice to File Corrected Application Papers was mailed to the Morgan Hill P.O. Box requesting formal drawings. The undersigned responded by filing a set of formal drawings on July 22, 2004. Those formal drawings include four figures labelled Figures 2A, 2B, 2C and 2D. There is no Figure labelled just plain Fig. 2. Inadvertently, the Brief Description of the Drawings includes a description of Fig. 2 in a generic sense of what the individual figures Figs. 2A - 2D show but does not say Fig. 2 is comprised of Figs. 2A - 2D.

OIPE apparently got confused by this and mailed a second Notice to File Corrected Application Papers on 8/26/2005 (Exhibit C). This Notice to File Corrected

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Application Papers mailed on 8/26/2005 made a requirement regarding the drawings that was gibberish and did not say exactly what was wrong with the drawings. The undersigned received the notice, looked at the drawings, did not detect anything wrong and called the OIPE to find out what was wrong with the drawings. The undersigned spoke with Preston Wallace in OIPE shortly after receiving the Notice to File Corrected Application Papers mailed on 8/26/2005. Mr. Wallace looked at the patent application file and the formal drawings and did not detect anything wrong with the drawings and promised to withdraw the Notice to File Corrected Application Papers mailed on 8/26/2005 as evidenced by the note written in the upper part of Exhibit C.

Thinking Mr. Wallace was going to withdraw the Notice To File Corrected Application Papers mailed 8/26/2005, the undersigned did nothing to respond to this notice. Mr. Wallace did not withdraw the Notice to File Corrected Application Papers of 8/26/2005, and, as a result, the above identified patent application went abandoned. A notice of abandonment was mailed 5/12/2005 to the old address. When the undersigned finally received it in late June 2005, the undersigned called Mr. Wallace and asked him what happened. He referred the undersigned to an OIPE supervisor by the name of Valerie Canard. Several calls to Valerie Canard to request her to withdraw the Notice to


**PATENT**

File Corrected Application Papers of 8/26/2005 and reinstate the case went  
unreturned.

Further, Declarant sayeth not.


Respectfully submitted,

Dated: July 11, 2005

  
\_\_\_\_\_  
Ronald Craig Fish  
Reg. No. 28,843  
Tel 408 866 4777  
FAX 408 866 4785

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States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to:  
Commissioner for Patents, P.O. Box 1450, Alexandria, Va. 22313-1450.

on 7/11/2005  
(Date of Deposit)

  
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Signature of Depositer

## DECLARATION FOR PATENT APPLICATION

Inventor(s): Chao- Chiang Chen & J. George Janac  
Docket No. SIL-001

As a below-named inventor, I (We) hereby declare that:

My correct residence, post office address and citizenship are stated below next to my name.

I believe myself to be the original, first and sole inventor (if only one name is listed below) or an original and first joint inventor (if more than one name is listed below) of the subject matter which is disclosed and claimed and for which a patent is sought on the invention entitled:

**AMETHOD OF OPTIMIZING IC LOGIC PERFORMANCE BY STATIC TIMING BASED  
PARASITIC BUDGETING**

The specification of this subject matter:

☒ is attached hereto.

☐ was filed on

was assigned serial No.

which was amended on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above identified patent application, including the claims, as amended by any amendment(s) referred to above. I believe the subject matter claimed in the above-identified application to be new and to be unobvious to persons of ordinary skill in the art in view of the prior art of which I am aware. I further hereby state that the specification of the above identified patent application adequately describes how to make and use the claimed invention so as to enable one of skill in the art to practice the invention without excessive experimentation, and further that it sets forth the best mode for practicing the invention known to me as of the date that the application was filed, and that all inventors who participated in the conception of the invention are named and no person who did not participate in the conception of the invention is named as an inventor. I declare that the claimed invention has not been on sale in the United States nor in public use in the United States more than one year prior to the filing date. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 C.F.R. 1.56 and promise to disclose prior art that is known to me now or which becomes known to me in the future during the pendency of the application. I further acknowledge the duty to disclose information known to me to be material under 37 C.F.R. 1.56 to the examination of the claims in any continuation-in-part application filed under the conditions specified in 35 U.S.C. Section 120 which became available between the filing date of the prior application or the national or PCT international filing date and the filing date of the continuation-in-part application. I further state that if this application is a continuation-in-part application of a previous application, that any improvements in the technology of the previous application have been disclosed in this

continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Application No.	Country	Filing Date	Priority Claimed
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I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in these prior United States application(s) in the manner provided by 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

Application No.	Filing Date	Status (Issued, Pending, Abandoned)
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FULL NAME OF INVENTOR 1	FIRST Name	MIDDLE Initial(s)	LAST Name
	Chao-Chiang		Chen

RESIDENCE AND CITIZENSHIP	City	State or Foreign Country	Country of Citizenship
	Cupertino	California, U.S.A.	U.S.

POST OFFICE ADDRESS	Number and Street	City	State or Country	Zip Code
	10050 North Wolfe Road, Suite SW1-266	Santa Clara	California	95014

FULL NAME OF INVENTOR 2	FIRST Name	MIDDLE Initial(s)	LAST Name
	J.	George	Janac

RESIDENCE AND CITIZENSHIP	City	State or Foreign Country	Country of Citizenship
	Cupertino	California, U.S.A.	

POST OFFICE ADDRESS	Number and Street	City	State or Country	Zip Code
	10050 North Wolfe Road, Suite SW1-266	Santa Clara	California	95014

I hereby appoint the following attorney to prosecute this application and to transact all business in the United States Patent and Trademark Office connected with this application and all continuations, divisional and continuations-in-part of this application and to transact all business in all foreign patent offices for all foreign counterparts of this patent application or any divisional, continuation, continuation-in-part application or any PCT application arising out of this patent application or claiming priority of this patent application:



Ronald C. Fish (Reg. Number 28,843)

Address all telephone calls to Ronald Craig Fish at telephone no. (408) 778-3624

Address all correspondence to Ronald Craig Fish

Ronald Craig Fish, A Law Corporation

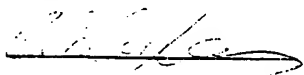
Post Office Box 2258

Morgan Hill, California 95038, U.S.A.

FAX No. (408) 776-0426

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature of Inventor 1



Date

2/6/2004

Signature of Inventor 2



Date

2/6/2004



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/774,853	02/07/2004	Chao-Chiang Chen	SIL-001

RONALD CRAIG FISH  
 RONALD CRAIG FISH, A LAW CORPORATION  
 POST OFFICE BOX 2258  
 MORGAN HILL, CA 95038

CONFIRMATION NO. 9485

## FORMALITIES LETTER



\*OC000000013639197\*

Date Mailed: 08/26/2004

*Withdrawn  
 per Wallace  
 @ PTO  
 11/17*

## NOTICE TO FILE CORRECTED APPLICATION PAPERS

**Filing Date Granted**

An application number and filing date have been accorded to this application. The application is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given TWO MONTHS from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121 are required. The drawings submitted are not acceptable because:
  - More than one figure is present and each figure is not labeled "Fig." with a consecutive Arabic numeral (1, 2, etc.) or an Arabic numeral and capital letter in the English alphabet (A, B, etc.) (see 37 CFR 1.84(u)(1)). See Figure(s) 2.

Replies should be mailed to: Mail Stop Missing Parts  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

*A.M.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

EXH. C

*Approved  
 Randolph  
 703 308 0233  
 123*

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Art Unit: OIPE

Chen et al.

Examiner: none

Serial No. 10/774,853

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For: **METHOD OF OPTIMIZING IC LOGIC PERFORMANCE BY STATIC  
TIMING BASED PARASITIC BUDGETING**

-----  
**Mail Stop Petition**

Commissioner for Patents

P.O. Box 1450

Alexandria, Va. 22313-1450

Date 7/11/2005

**Preliminary Amendment**

Dear Sir:

Please amend the above identified patent application as follows.

**IN THE SPECIFICATION**

Please amend the paragraphs that starts at page 10, line 19 as follows:

**Brief Description of the Drawings**

The drawings constitute a part of this specification and include exemplary embodiments to the invention, which may be embodied in various forms. It is to be understood that in some instances various aspects of the invention may be shown exaggerated or enlarged to facilitate an understanding of the invention.

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FIG 1. is a description of the high level flow through the optimization system

~~FIG 2. describes the core of the method used in determination of the parasitic budget.~~

FIG 2a. describes the overall flow, inputs and outputs.


FIG 2b. describes the flow at each iteration of the method.

FIG 2c. describes an alternative embodiment for the flow and actions taken on each iteration of the method.

FIG. 2d is a flow chart of an alternative embodiment utilizing a power optimization process.

Dated: July 11, 2005

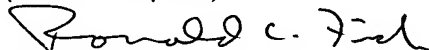
Respectfully submitted,



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